

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Arrow United Industries 450 Riverside Drive Wyalusing, PA 18853

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model EAV-81 8" Deep Aluminum Louver

APPROVAL DOCUMENT: Drawing No. 1624, titled "Model EAV-81 Impact Louver System", sheets 1 through 3 of 3, dated 11/12/2008, with revision A1, dated 11/08/2011, prepared by W. W. Schaefer Engineering & Consulting, P.A. signed and sealed by Warren. W. Schaefer, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-1017.03 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

(MIAMI-DADE COUNTY)
APPROVED

Phra 106/11/2014

NOA No. 14-0423.21 Expiration Date: February 4, 2019 Approval Date: June 19, 2014 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS "Submitted under NOA # 11-1117.08"

1. Drawing No. 1624, titled "Model EAV-81 Impact Louver System", sheets 1 through 3 of 3, dated 11/12/2008, with revision A1, dated 11/08/2011, prepared by W. W. Schaefer Engineering & Consulting, P.A. signed and sealed by Warren W. Schaefer, P.E.

B. TESTS "Submitted under NOA No. 08-1202.08"

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94 and ASTM E1886/1996 Level E.
 - 3) Cyclic Wind Pressure per FBC, TAS 203-94 and ASTM E1886/1996.

along with marked-up drawings and installation diagram, of their A-820 Aluminum Louver System", prepared by Hurricane Test Laboratory, Inc., Report No. **0198-0812-08**, dated 10/14/2008, signed and sealed by Vinu J. Abraham, P.E.

2. Test report on Wind and Wind-Driven Rain Resistance per TAS 100(A)-95 of their A-820 Louver, prepared by PRI Construction Materials Technologies, LLC, and Report No. 009-02-02, dated 04/28/2008, signed and sealed by Duc T. Nguyen, P.E.

C. CALCULATIONS "Submitted under NOA No. 08-1202.08"

1. Anchoring calculations prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/24/2008, signed and sealed by Warren W. Schaefer, P.E.

D. **QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC issued by W. W. Schaefer Engineering & Consulting, P.A., dated 09/03/2013, signed and sealed by Warren W. Schaefer, P.E.

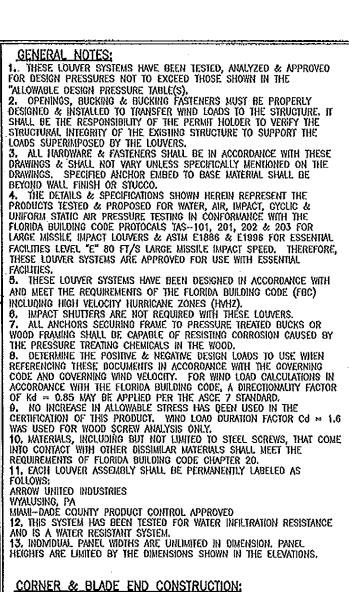
"Submitted under NOA No. 13-1017.03"

2. No financial interest letter issued by W. W. Schaefer Engineering & Consulting, P.A, dated 09/04/2013, signed and sealed by Warren W. Schaefer, P.E.

Carlos M. Utrera, P.E. Product Control Examiner

NOA No. 14-0423.21

Expiration Date: February 4, 2019 Approval Date: June 19, 2014

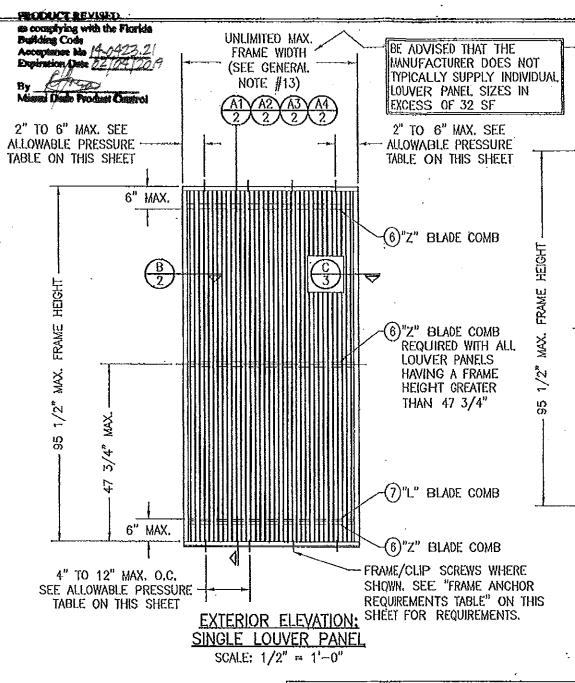


3000 PSI CONCRETE

FRAME: THE HORIZONTAL FRAME MEMBERS RUN THROUGH WHILE THE VERTICAL MEMBERS ARE MITER CUT, BUTTED & SECURED WITH A CONTINUOUS WELD ALONG THE CORNER SEAM.

EXTERIOR BLADE: THE BLADE IS SQUARE OUT & SECUREO TO THE SILL. VA A 1/8" X 1 1/4" LONG WELD. FOR LOCATIONS SEE DETAILS B/2

INTERIOR BLADE: THE BLADE IS SQUARE OUT & SECURED TO THE FRAME VIA A SLIP FIT PROCESS WERE THE BLADE IS SANDWICHED BETWEEN THE "Z" & "L" BLADE COMBS.



ALLOWABLE DESIGN PRESSURE & (ALL LOUVER CONDITIONS)

	(100 2007211 00710170)		
	MAX. ANCHOR SPACING	MAX, ANCHOR END DISTANCE	ALLOWABLE PRESSURE
:	4"	2"	+/-150 PSF
	8"	4"	+/-75 PSF
	12"	. 6"	+/-50 PSF

ANCHOR SPACING REQUIREMENTS

PANELS THAT MAY BE COMBINED HORIZONTALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERED BY THE PANELS. 3. INDIVIDUAL LOUVER PANEL SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE LOUVER PANEL ELEVATIONS OF THE SINGLE PANEL ELEVATIONS PRODUCT REVISED es complying which the Florida Hutlding Code Acceptance No []-[17.08
Expression Open 12/04/2014
By Allund Mismu Dade Product Control

<u>MULTIPLE UNIT NOTES:</u>

ELEVATION.

EXTERIOR ELEVATION:

MULTIPLE LOUVER PANELS

SCALE: 1/2" = 1'-0"

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT

2. THERE IS NO LIMIT ON THE NUMBER OF SINGLE LOUVER

PRODUCT RENEWED as complying with the Florida Building Cods Acceptance No 13-1017, 03 Expiration Notes 02, 104 72019 Miss

Pada Product Cosmol

UNLIMITED MAX.

FRAME WIDTH

(SEE GENERAL

NOTE #13)

UNLIMITED MAX.

FRAME WIDTH

(SEE GENERAL

NOTE #13)

TO THE PROPERTY THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY WAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT HOR WAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER ISTATED ON THESE DRAWINGS.

CCENS

INDUSTRIES DRIVE 18853 888 UNITED ARROW SYSTEM 5 REQUIREMENTS AT IMPACT W. SCHAEFER CONSULTING, F -81 ર્ફ ≯ શ્ર 2011 ĆÖ

1624

SHEET NO.

OF

ee single unit

ELEVATION FOR

HEAD & SILL OF

FRAME/CLIP

EACH PANEL

ANCHÓR

CHECKED DY:

XATE: - 11/12/03

FRAME/CLIP SCREWS OPENING TYPE MINIMUM MINIMUM FRAME/CLIP TO OPENING (SUBSTRATE) FÁSTENER TYPE EMBED EDGE DIST MIN. 2X_ WOOD FRAME OR BUCK MIN. NO. 10 SMS OR WOOD 1 1/4 3/4" (MIN. GR. 3 & G=0.55) SCREW MIN. 16 GA. 33 KSI METAL STUD MIN. NO. 10 GR. 5 SELF TAP/DRILL SCREW FULL 1/2" MIN, 1/8" THK A36 STEEL MIN. NO. 10 GR. 5 SELF TAP/DRILL 1/2" FULL SCREW OR 1/4" BOLT (1)

(2) 1/4" CONCRETE SCREW

FULL

1 1/2"

1/2"

2"

FRAME ANCHOR REQUIREMENTS TABLE

(1) BOLTS SHALL BE MIN. A307 GALVANIZED OR 304 S.S. (Fv = 10,000 PSI MIN:)

MIN. 1/8" THK 6063-T5 ALUM. MIN. NO. 10 GR, 5 SELF TAP/DRILL SCREW

(2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED"HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

